

ALLIA.62F1C3

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Schutt et al.

Appl. No. : 08/841,847

Filed : May 5, 1997

For : OSMOTICALLY STABILIZED
MICROBUBBLE
PREPARATIONS

Examiner : Gary E. Hollinden

Group Art Unit 1616

CERTIFICATE OF FAX TRANSMISSION

I hereby certify that this correspondence and all marked attachments are being facsimile transmitted to the Patent and Trademark Office on the date shown below:

December 8, 1999

Date:

James J. Muller, Jr., Ph.D., Reg. No. 44,957

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231
Box CPA

Dear Sir:

Prior to examination of the above-referenced continued prosecution application, kindly amend the application as follows:

IN THE CLAIMS:

62. (Twice Amended) A microbubble preparation comprising a aqueous medium having dispersed therein a plurality of osmotically stabilized microbubbles, said microbubbles comprising:

a generally spherical microbubble membrane containing at least one gas osmotic agent and at least one nonfluorocarbon modifier gas, wherein said gas osmotic agent and said modifier gas are present in a fixed molar ratio effective to stabilize said microbubble preparation, with the proviso that said modifier gas is not water vapor, and wherein said gas osmotic agent is selected from the group consisting of perfluoropentane, perfluorocyclopentane, perfluoromethylcyclopentane, perfluorodimethylcyclobutane, perfluorohexane, perfluorocyclohexane, perfluoroheptane, perfluorocycloheptane, perfluoromethylcyclohexane,